

**9275 Coax - 75 Ohm Coax**

		<p>For more information please call <b>1-800-Belden1</b></p> <p><u>See Put-ups and Colors</u></p>
---	--	---

**Description:**

Series 59, 20 AWG solid .032" bare copper-covered steel conductor, gas-injected foam polyethylene insulation, Duofoil® or Duobond® + aluminum braid shield (40% coverage), PVC jacket.

**PHYSICAL CHARACTERISTICS:**

**CONDUCTOR:**

Number of Coax	1
Total Number of Conductors	1
Series Type	Series 59
AWG	20
Stranding	Solid
Conductor Diameter	.032 in.
Conductor Material	BCCS - Bare Copper Covered Steel

**INSULATION:**

Insulation Material	Gas-injected FPE - Foam Polyethylene
Insulation Diameter	.144 in.

**OUTER SHIELD:**

Outer Shield Material Trade Name	Duofoil®
Outer Shield Type	Tape/Braid

Outer Shield Material :

Layer Number	Trade Name	Type	Material	% Coverage (%)
1	Duofoil®	Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	100
2		Braid	AL - Aluminum	40

Outer Shield % Coverage	100 %
-------------------------	-------

**OUTER JACKET:**

Outer Jacket Material	PVC - Polyvinyl Chloride
-----------------------	--------------------------

**OVERALL NOMINAL DIAMETER:**

Overall Nominal Diameter	.237 in.
--------------------------	----------

**MECHANICAL CHARACTERISTICS:**

Operating Temperature Range	-40°C To +80°C
UL Temperature Rating	80°C
Bulk Cable Weight	23 lbs/1000 ft.
Max. Recommended Pulling Tension	80 lbs.
Min. Bend Radius (Install)	2.5 in.

**APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:**

**APPLICABLE STANDARDS:**

NEC/(UL) Specification	CM, CATV
CEC/C(UL) Specification	CM
EU CE Mark (Y/N)	Yes
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004

**FLAME TEST:**

UL Flame Test	UL1685 UL Loading
---------------	-------------------

**PLENUM/NON-PLENUM:**

Plenum (Y/N)	N
--------------	---

**ELECTRICAL CHARACTERISTICS:**

Nom. Characteristic Impedance	75 +/-3 Ohms
Nom. Inductance	.097 µH/ft
Nom. Capacitance Conductor to Shield	16.2 pF/ft
Nominal Velocity of Propagation	83 %
Nominal Delay	1.2 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	44.5 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20°C	17 Ohms/1000 ft

Typical Structural Return Loss :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Typical Structural Return Loss (dB)
		5	550	18

Nom. Attenuation :

**9275 Coax - 75 Ohm Coax**

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Attenuation (dB/100 ft.)
	5			0.75
	55			1.84
	211			3.36
	270			3.79
	300			3.99
	350			4.33
	400			4.66
	450			4.96
	550			5.48
	750			6.51
	870			7.00
	1000			7.68

Max. Operating Voltage - UL 300 V RMS

**NOTES:**

Notes Sweep tested 5 MHz to 550 MHz.

**PUT-UPS AND COLORS:**

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
9275 009U1000	#20 LDPE/GIFHDLDP SH FRPVC	U1000	23	WHITE	
9275 0101000	#20 LDPE/GIFHDLDP SH FRPVC	1000	24	BLACK	
9275 010U1000	#20 LDPE/GIFHDLDP SH FRPVC	U1000	23	BLACK	
9275 010U500	#20 LDPE/GIFHDLDP SH FRPVC	U500	12	BLACK	

Revision Number: 1      Revision Date: 08-18-2005

---

© 2005 Belden Wire & Cable Company  
All Rights Reserved.

Although Belden Electronics Division ("Belden") makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden CDT Electronics Division believes this product to be in compliance with the following environmental regulations: California Proposition 65 Consent Judgment For Wire & Cable Mfgs. (San Francisco Superior Court Nos. 312962 And 320342); EU RoHS (Directive 2002/95/EC, 27-Jan-2003); Material manufactured prior to the compliance date may still be in stock at Belden facilities and in our Distributor's inventory. EU ELV (Directive 2000/53/EC, 18-Sept-2000); EU WEEE (Directive 2002/96/EC, 27-Jan-2003); And EU BFR (Directive 2003/11/EC, 6-Feb-2003). The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information and belief at the date of its publication. The information provided in the Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

Belden CDT Electronics Division declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.